

**Table 4.4 Average Heating Efficiency for Geothermal Heat Pump Shipments, 2007 and 2008**  
**(Average COP)**

Year	Model Type			
	ARI-320	ARI-325/330	ARI-870	Other Non-ARI Rated
2007	4.1	3.9	4.2	3.7
2008	4.4	4.0	4.2	3.6

COP = Coefficient of Performance.

**Notes:** One ton of capacity is equal to 12,000 Btus per hour.  
Efficiency is expressed as btus of output per watthours of input. The greater the COP the more efficient the unit.

**Source:** U.S. Energy Information Administration (EIA), Form EIA-902, "Annual Geothermal Heat Pump Manufacturers Survey."